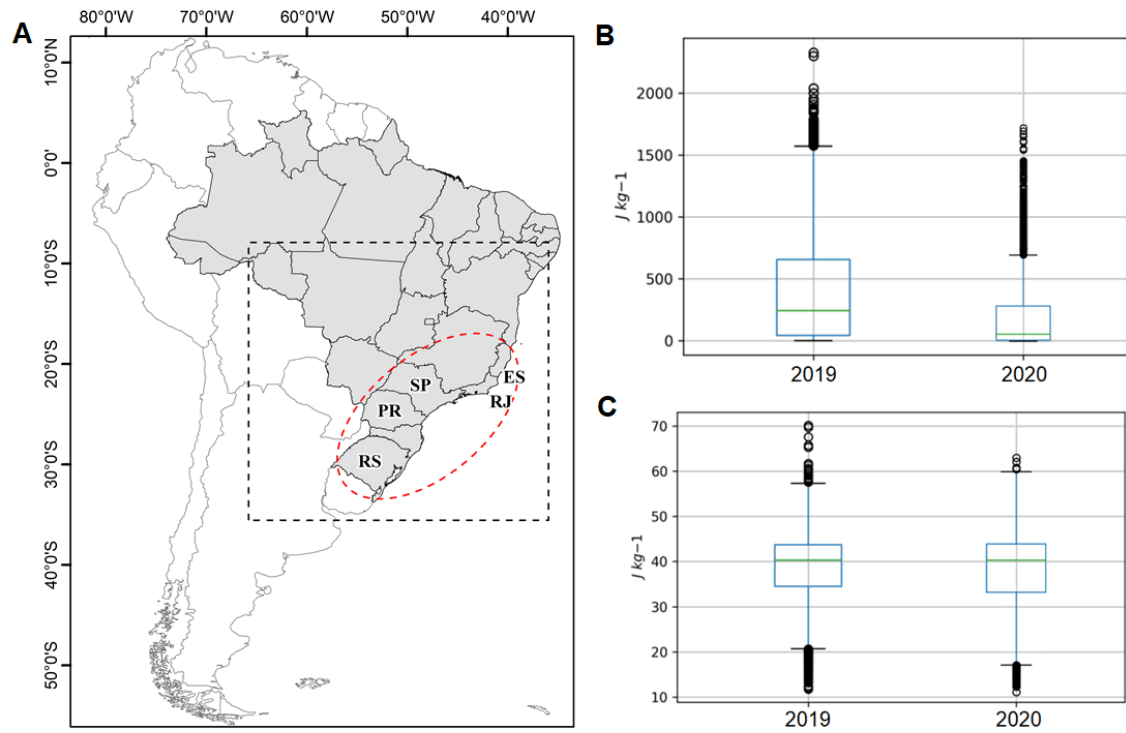
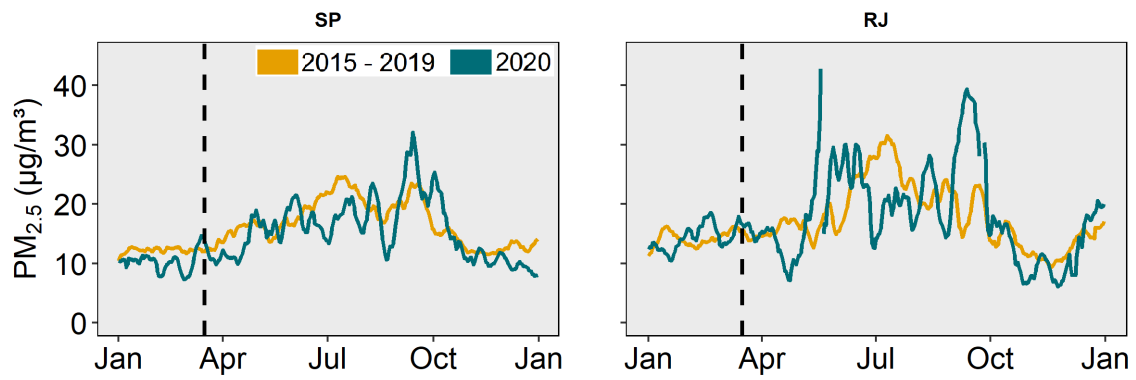


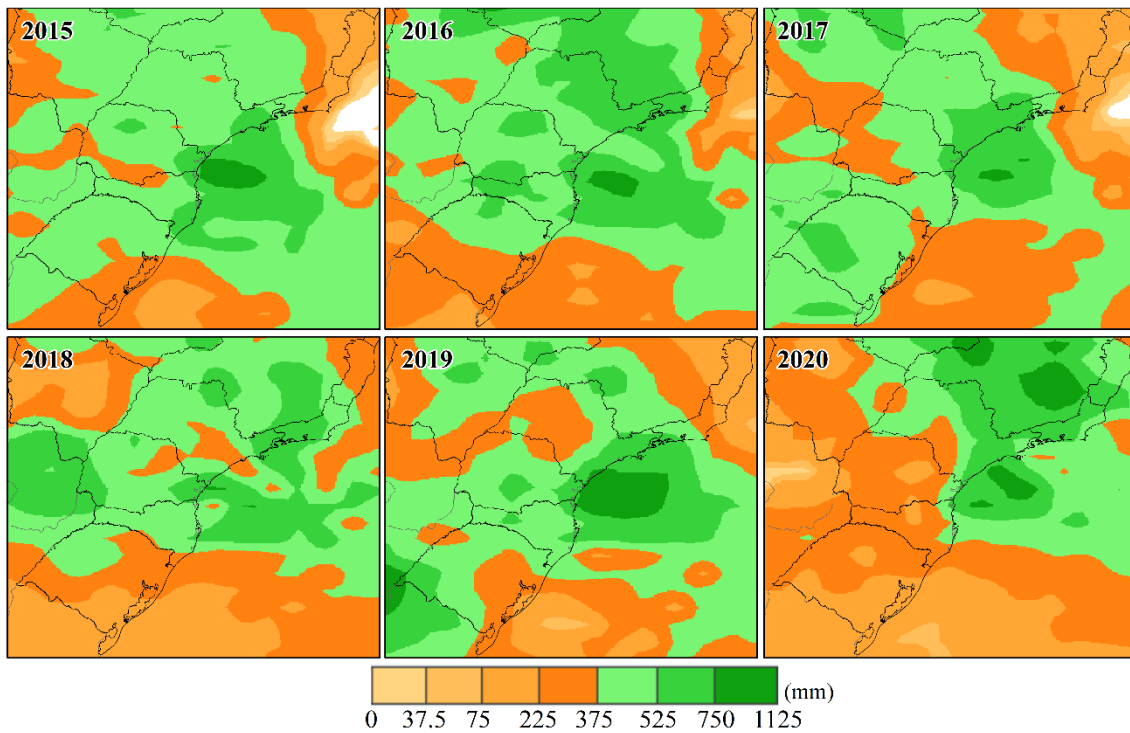
## SUPPLEMENTARY MATERIAL



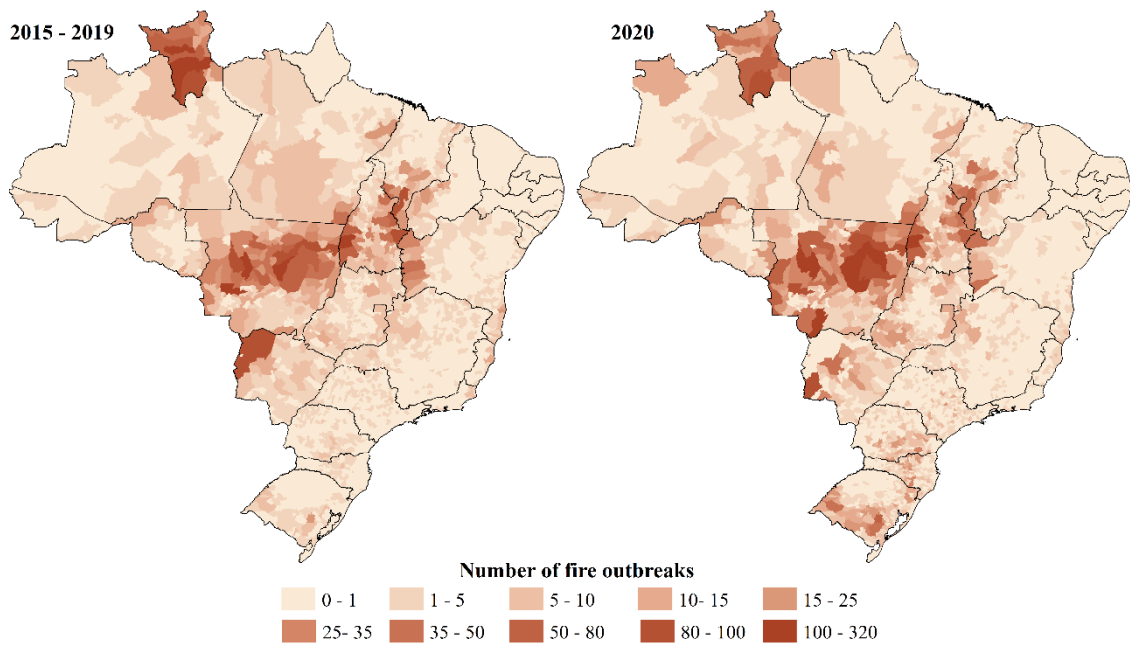
**Fig. S1.** Synoptic area (A, black dashed line), box plot of Convective Available Potential Energy (B, CAPE) and Precipitable Water (C, PWater) for the study area.



**Fig. S2.** Fine particulate matter (PM<sub>2.5</sub>) concentration annual behavior for the period before (yellow) and during (green) the COVID-19 pandemic for São Paulo (SP) and Rio de Janeiro (RJ) states. The dashed line indicates the date March 16 2020, representing the beginning of Brazil's mobility restrictions.



**Fig. S3.** Accumulated precipitation between January 1 and March 16 from 2015 to 2020 for the study area. The data presented are predicted values by the numerical weather forecast model of the Brazilian National Institute of Meteorology (Instituto Nacional de Meteorologia – INMET, available in: <http://sisdagro.inmet.gov.br/sisdagro/app/monitoramento/bhs/mapaperiodoacum>).



**Fig. S4.** Average number of fire outbreaks observed between March 26<sup>th</sup> and June 11<sup>th</sup> for the period 2015-2019 and 2020. The data used represent the number of fire outbreaks retrieved daily by the Aqua and Terra satellites (data available at: <http://queimadas.dgi.inpe.br/queimadas/bdqueimadas/>)

**Table S1.** IEMA air quality monitoring stations for the states of Espírito Santo (ES), Paraná (PR), Rio de Janeiro (RJ), Rio Grande do Sul (RS) e São Paulo (SP).

State	Lat	Lon	Station name	Station Code	Organization	Air pollutant
ES	-20.31	-40.29	Enseada do Suá	ES03	IEMA - ES	CO, PM <sub>10</sub>
	-20.19	-40.26	Laranjeiras	ES05	IEMA - ES	CO
	-20.35	-40.32	Vila Velha	ES07	IEMA - ES	CO, PM <sub>10</sub> , O <sub>3</sub>
PR	-25.57	-49.38	CSN	PR03	IAT - PR	NO <sub>2</sub> , O <sub>3</sub>
	-25.55	-49.39	REPAR	PR06	IAT - PR	CO, NO <sub>2</sub> , O <sub>3</sub>
RJ	-22.54	-44.20	BM - Bocaininha	RJ57	INEA - RJ	PM <sub>10</sub>
	-22.51	-44.20	BM - Vista Alegre	RJ59	INEA - RJ	PM <sub>10</sub>
	-22.71	-43.27	DC - Campos Elíseos	RJ20	INEA - RJ	CO, NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-22.67	-43.29	DC - Jardim Primavera	RJ22	INEA - RJ	CO, NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-22.71	-43.31	DC - Pilar	RJ21	INEA - RJ	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-22.74	-43.31	DC - São Bento	RJ23	INEA - RJ	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-22.78	-43.29	DC - Vila São Luiz	RJ24	INEA - RJ	CO, NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-22.70	-42.88	Itb - Porto das Caixas	RJ15	INEA - RJ	CO, NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-22.67	-42.79	Itb - Sambaetiba	RJ16	INEA - RJ	CO, NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-22.90	-43.87	Itg - Coroa Grande	RJ18	INEA - RJ	PM <sub>10</sub>
	-22.87	-43.77	Itg - Monte Serrat	RJ28	INEA - RJ	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-22.29	-44.34	Itt - Campo Alegre	RJ52	INEA - RJ	PM <sub>10</sub>
	-22.67	-43.59	Jp - Engenheiro Pedreira	RJ26	INEA - RJ	CO, NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-22.31	-41.75	Mc - Cabiúnas	RJ71	INEA - RJ	CO, NO <sub>2</sub> , O <sub>3</sub>
	-22.35	-41.96	Mc - Fazenda Aires	RJ68	INEA - RJ	CO, NO <sub>2</sub> , O <sub>3</sub>
	-22.31	-41.88	Mc - Fazenda Severina	RJ70	INEA - RJ	CO
	-22.38	-41.81	Mc - Pesagro	RJ69	INEA - RJ	CO
	-22.93	-43.91	Mt - Itacuruçá	RJ19	INEA - RJ	PM <sub>10</sub>
	-22.83	-43.61	NI - Jardim Guandu	RJ80	INEA - RJ	CO, NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-22.42	-44.29	PR - Porto Real	RJ50	INEA - RJ	CO, NO <sub>2</sub>
	-22.89	-43.47	Pref - Bangu	RJ90	Prefeitura RJ	CO, NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-22.89	-43.56	Pref - Campo Grande	RJ91	Prefeitura RJ	CO, PM <sub>10</sub> , O <sub>3</sub>
	-22.91	-43.18	Pref - Centro	RJ85	Prefeitura RJ	PM <sub>10</sub> , O <sub>3</sub>
	-22.83	-43.33	Pref - Irajá	RJ89	Prefeitura RJ	NO <sub>2</sub> , PM <sub>10</sub> , PM <sub>2.5</sub> , O <sub>3</sub>
	-23.00	-43.63	Pref - Pedra de Guaraíba	RJ92	Prefeitura RJ	PM <sub>10</sub> , O <sub>3</sub>
	-22.90	-43.22	Pref - São Cristóvão	RJ87	Prefeitura RJ	CO, PM <sub>10</sub> , O <sub>3</sub>
	-22.92	-43.23	Pref - Tijuca	RJ88	Prefeitura RJ	CO, PM <sub>10</sub> , O <sub>3</sub>
	-22.40	-44.32	Qt - Bom Retiro	RJ51	INEA - RJ	CO, NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-22.77	-43.11	RJ - Ilha de Paquetá	RJ11	INEA - RJ	O <sub>3</sub>
	-22.80	-43.18	RJ - Ilha do Governador	RJ10	INEA - RJ	O <sub>3</sub>
	-22.28	-44.29	Rs - Cidade Alegria	RJ53	INEA - RJ	CO, PM <sub>10</sub> , O <sub>3</sub>
	-22.89	-43.72	SC - Adalgisa Nery	RJ25	INEA - RJ	NO <sub>2</sub> , O <sub>3</sub>
-22.84	-43.71	Sp - Piranema	RJ17	INEA - RJ	CO	
-22.52	-44.13	VR - Belmonte	RJ47	INEA - RJ	CO, NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>	
-22.50	-44.12	VR - Retiro	RJ48	INEA - RJ	CO, O <sub>3</sub>	
-22.52	-44.11	VR - Santa Cecília	RJ49	INEA - RJ	CO, NO <sub>2</sub> , O <sub>3</sub>	
RS	-29.92	-50.99	Gravataí - Condomínio Jardim Timbaúva	RS05	FEPAM - RS	PM <sub>10</sub> , O <sub>3</sub>
	-30.11	-51.33	Guaíba - Parque 35	RS07	FEPAM - RS	CO, NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
SP	-21.19	-50.44	Araçatuba	SP02	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-21.78	-48.19	Araraquara	SP03	CETESB - SP	PM <sub>10</sub> , O <sub>3</sub>
	-22.33	-49.09	Bauru	SP06	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-22.90	-47.06	Campinas - Centro	SP07	CETESB - SP	CO, PM <sub>10</sub>
	-22.87	-47.06	Campinas - Taquaral	SP08	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-22.95	-47.12	Campinas - Vila União	SP09	CETESB - SP	O <sub>3</sub>
	-23.67	-46.78	Capão Redondo	SP11	CETESB - SP	PM <sub>10</sub> , O <sub>3</sub>
	-23.53	-46.84	Carapicuíba	SP12	CETESB - SP	CO, PM <sub>10</sub> , O <sub>3</sub>
	-21.14	-48.98	Catanduva	SP13	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-23.55	-46.67	Cerqueira César	SP14	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub>
	-23.57	-46.74	Cid.Universitária USP - IPEN	SP15	CETESB - SP	PM <sub>2.5</sub> , O <sub>3</sub>
	-23.62	-46.66	Congonhas	SP16	CETESB - SP	CO, NO <sub>2</sub> , PM <sub>10</sub> , PM <sub>2.5</sub>
	-23.88	-46.42	Cubatão - Centro	SP18	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-23.83	-46.37	Cubatão - Vale do Mogi	SP19	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-23.85	-46.39	Cubatão - Vila Parisi	SP20	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub>
	-23.69	-46.61	Diadema	SP21	CETESB - SP	PM <sub>10</sub> , O <sub>3</sub>
	-23.78	-46.70	Grajaú - Parelheiros	SP43	CETESB - SP	PM <sub>10</sub> , PM <sub>2.5</sub> , O <sub>3</sub>
	-22.82	-45.19	Guaratinguetá	SP04	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
	-23.46	-46.52	Guarulhos - Paço Municipal	SP24	CETESB - SP	PM <sub>10</sub> , PM <sub>2.5</sub> , O <sub>3</sub>
	-23.44	-46.41	Guarulhos - Pimentas	SP25	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , PM <sub>2.5</sub> , O <sub>3</sub>
	-23.59	-46.66	Ibirapuera	SP26	CETESB - SP	CO, NO <sub>2</sub> , PM <sub>2.5</sub> , O <sub>3</sub>
	-23.68	-46.68	Interlagos	SP27	CETESB - SP	PM <sub>10</sub> , O <sub>3</sub>
	-23.50	-46.42	Itaim Paulista	SP28	CETESB - SP	PM <sub>10</sub> , PM <sub>2.5</sub> , O <sub>3</sub>
-23.58	-46.47	Itaquera	SP29	CETESB - SP	O <sub>3</sub>	

-22.30	-48.57	Jaú	SP33	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
-23.19	-46.90	Jundiá	SP34	CETESB - SP	PM <sub>10</sub> , O <sub>3</sub>
-22.56	-47.41	Limeira	SP36	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
-23.52	-46.74	Marg. Tietê - Pte dos Remédios	SP37	CETESB - SP	CO, NO <sub>2</sub> , PM <sub>10</sub> , PM <sub>2.5</sub>
-22.20	-49.96	Marília	SP38	CETESB - SP	NO <sub>2</sub>
-23.67	-46.47	Mauá	SP39	CETESB - SP	PM <sub>10</sub> , O <sub>3</sub>
-23.55	-46.60	Mooca	SP40	CETESB - SP	CO, O <sub>3</sub>
-23.48	-46.69	Nossa Senhora do Ó	SP41	CETESB - SP	PM <sub>10</sub> , O <sub>3</sub>
-23.53	-46.79	Osasco	SP42	CETESB - SP	CO, NO <sub>2</sub> , PM <sub>10</sub>
-23.54	-46.63	Parque Dom Pedro II	SP44	CETESB - SP	CO, NO <sub>2</sub> , PM <sub>10</sub> , PM <sub>2.5</sub> , O <sub>3</sub>
-22.72	-47.15	Paulínia	SP45	CETESB - SP	PM <sub>10</sub> , O <sub>3</sub>
-23.46	-46.77	Pico do Jaraguá	SP49	CETESB - SP	NO <sub>2</sub> , PM <sub>2.5</sub> , O <sub>3</sub>
-23.56	-46.70	Pinheiros	SP50	CETESB - SP	CO, NO <sub>2</sub> , O <sub>3</sub>
-22.70	-47.65	Piracicaba	SP51	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , PM <sub>2.5</sub> , O <sub>3</sub>
-22.12	-51.41	Presidente Prudente	SP53	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
-22.46	-47.54	Santa Gertrudes	SP57	CETESB - SP	PM <sub>10</sub>
-23.51	-46.63	Santana	SP59	CETESB - SP	O <sub>3</sub>
-23.65	-46.71	Santo Amaro	SP60	CETESB - SP	CO, PM <sub>10</sub> , O <sub>3</sub>
-23.64	-46.49	Santo André - Capuava	SP61	CETESB - SP	PM <sub>10</sub> , O <sub>3</sub>
-23.98	-46.30	Santos - Ponta da Praia	SP64	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , PM <sub>2.5</sub> , O <sub>3</sub>
-23.70	-46.55	São Bernardo do Campo - Centro	SP65	CETESB - SP	CO, NO <sub>2</sub> , PM <sub>2.5</sub> , O <sub>3</sub>
-23.67	-46.58	São Bernardo do Campo - Paulicéia	SP66	CETESB - SP	PM <sub>10</sub>
-23.62	-46.56	São Caetano do Sul	SP67	CETESB - SP	CO, NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
-20.78	-49.40	São José do Rio Preto	SP69	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , PM <sub>2.5</sub>
-23.22	-45.89	São José dos Campos	SP70	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
-23.22	-45.89	São José dos Campos - Jardim Satélite	SP71	CETESB - SP	CO, NO <sub>2</sub> , PM <sub>10</sub> , PM <sub>2.5</sub> , O <sub>3</sub>
-23.50	-47.48	Sorocaba	SP73	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
-23.61	-46.76	Taboão da Serra	SP75	CETESB - SP	CO, PM <sub>10</sub>
-23.36	-47.87	Tatuí	SP77	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , O <sub>3</sub>
-23.03	-45.58	Taubaté	SP78	CETESB - SP	NO <sub>2</sub> , PM <sub>10</sub> , PM <sub>2.5</sub> , O <sub>3</sub>

**Table S2.** Averages concentrations and standard deviation for the analyzed air pollutants ( $\mu\text{g m}^{-3}$ ) before (2015-2019) and during 2020 considering different temporal intervals; Changes (%) in air pollutant concentrations and mobility averaged for the five selected Brazilian States analyzed.

Air pollutant	15 days			30 days			90 days			180 days			290 days			
	2015-2019	2020	Mobility	2015-2019	2020	Mobility	2015-2019	2020	Mobility	2015-2019	2020	Mobility	2015-2019	2020	Mobility	
ES	CO	321.6 ± 40.8 (-18.8%)	261.3 ± 51.1		343.8 ± 47.4 (-24.4%)	259.9 ± 43.2		368.4 ± 50.5 (-17.2%)	305.1 ± 70.5		369.6 ± 48.0 (-14.0%)	317.9 ± 65.8		363.0 ± 45.3 (-10.5%)	324.9 ± 62.8	
	PM <sub>10</sub>	21.3 ± 2.2 (-21.6%)	16.7 ± 3.7	-52.3%	21.0 ± 2.8 (-23.3%)	16.1 ± 3.5	-56.9%	24.3 ± 4.7 (-28.4%)	17.4 ± 4.3	-54.7%	24.9 ± 4.4 (-28.9%)	17.7 ± 4.4	-33.5%	25.4 ± 4.5 (-26.4%)	18.7 ± 5.2	-35.1%
	O <sub>3</sub>	34.4 ± 2.6 (-9.6%)	37.7 ± 7.4		33.4 ± 2.9 (5.1%)	35.1 ± 7.9		33.5 ± 5.7 (11.3%)	37.3 ± 8.6		33.4 ± 7.2 (27.5%)	42.6 ± 10.8		34.5 ± 8.5 (24.3%)	42.9 ± 13.3	
PR	CO	202.9 ± 43.7 (-41.1%)	119.6 ± 57.5		208.6 ± 63.6 (-45.1%)	114.6 ± 55.4		236.7 ± 105.8 (-29.5%)	166.9 ± 98.1		265.7 ± 97.9 (-30.6%)	184.3 ± 99.5		237.9 ± 90.0 (-27.1%)	173.5 ± 95.1	
	NO <sub>2</sub>	21.8 ± 2.1 (-5.0%)	20.7 ± 5.5	-44.9%	23.5 ± 2.3 ± (-16.6%)	19.6 ± 5.0	-48.9%	24.7 ± 4.3 (8.1%)	26.7 ± 10.6	-42.5	27.9 ± 6.5 (7.2%)	29.9 ± 11.6	-37.6%	25.8 ± 6.5 (4.7%)	27.0 ± 11.5	-29.1%
	O <sub>3</sub>	17.4 ± 1.8 (-46.0%)	25.4 ± 6.1		18.7 ± 3.4 (43.9%)	26.9 ± 5.5		16.2 ± 3.9 (74.7%)	28.3 ± 10.3		17.7 ± 4.7 (57.1%)	27.8 ± 9.7		21.2 ± 6.4 (40.1%)	29.7 ± 9.8	
RJ	CO	439.6 ± 17.8 (-16.5%)	367.2 ± 78.7		451.8 ± 35.9 (-22.6%)	349.7 ± 61.4		474.5 ± 52.6 (-12.2%)	416.6 ± 111.2		498.8 ± 59.6 (-14.2%)	427.8 ± 92.8		500.1 ± 56.9 (-12.6%)	436.9 ± 88.2	
	NO <sub>2</sub>	15.7 ± 1.0 (-28.0%)	11.3 ± 2.4		16.4 ± 1.2 (-34.1%)	10.8 ± 1.9		17.6 ± 1.8 (-23.9%)	13.4 ± 3.4		19.0 ± 2.4 (-25.3%)	14.2 ± 3.3		18.1 ± 2.5 (-22.1%)	14.1 ± 3.1	
	PM <sub>10</sub>	29.4 ± 3.5 (-19.7%)	23.6 ± 5.7	-51.3%	31.4 ± 4.0 (-23.6%)	24.0 ± 5.3	-54.2%	33.1 ± 5.2 (-11.2%)	29.4 ± 9.4	-53.3%	36.6 ± 7.5 (-10.4%)	32.8 ± 11.3	-42.9%	34.5 ± 7.6 (-9.6%)	31.2 ± 11.5	-32.9%
	PM <sub>2.5</sub>	14.3 ± 2.2 (-14.7%)	16.4 ± 5.7		14.6 ± 2.1 (8.2%)	15.8 ± 4.5		16.3 ± 4.6 (9.8%)	17.9 ± 11.3		20.0 ± 7.2 (-1.0%)	19.8 ± 11.7		17.9 ± 7.2 (0.6%)	18.0 ± 11.3	
	O <sub>3</sub>	31.5 ± 2.3 (-17.5%)	37.0 ± 6.4		32.6 ± 2.3 (10.7%)	36.1 ± 5.7		29.6 ± 3.6 (19.3%)	35.3 ± 5.7		31.0 ± 4.7 (14.8%)	35.6 ± 7.5		34.7 ± 6.8 (10.7%)	38.4 ± 8.8	
RS	CO	994.5 ± 352.6 (-57.4%)	423.9 ± 52.7		890.3 ± 277.2 (-53.1%)	417.3 ± 56.3		884.7 ± 317.5 (-35.1%)	574.5 ± 316.0		926.9 ± 271.5 (-29.5%)	653.8 ± 329.4		803.4 ± 384.4 (-25.4%)	599.6 ± 297.5	
	NO <sub>2</sub>	7.2 ± 1.6 (-36.1%)	9.8 ± 3.5		8.3 ± 1.8 (-2.4%)	8.1 ± 3.8		14.4 ± 3.7 (-9.0%)	13.1 ± 8.6		13.3 ± 4.5 (21.8%)	16.2 ± 10.1		11.7 ± 4.4 (15.4%)	13.5 ± 9.2	
	PM <sub>10</sub>	19.0 ± 2.7 (-1.1%)	19.2 ± 6.2	-48.8%	20.8 ± 4.2 (-7.7%)	19.2 ± 5.4	-52.0%	20.8 ± 5.0 (9.1%)	22.7 ± 10.8	-45.6%	23.3 ± 7.1 (-1.3%)	23.0 ± 11.9	-41.1%	22.7 ± 6.5 (-7.0%)	21.1 ± 10.6	-31.7%
	O <sub>3</sub>	24.3 ± 1.9 (-37.4%)	33.4 ± 10.6		25.9 ± 3.4 (26.3%)	32.7 ± 8.1		23.8 ± 4.0 (18.5%)	28.2 ± 7.6		25.3 ± 5.2 (22.5%)	31.0 ± 9.2		29.1 ± 6.8 (13.1%)	32.9 ± 8.9	
SP	CO	651.1 ± 46.5 (-37%)	410.0 ± 155.5		659.7 ± 45.2 (-39.5%)	399.1 ± 130.6		± 744.1 ± 150.8 (-20.2%)	594.1 ± 325.5		815.0 ± 180.4 (-16.5%)	680.7 ± 315.6		754.2 ± 170.1 (-10.9%)	671.9 ± 293.1	
	NO <sub>2</sub>	22.7 ± 1.8 (-24.2%)	17.2 ± 5.5		23.6 ± 2.1 (-28.8%)	16.8 ± 4.7		26.9 ± 4.2 (-14.5%)	23.0 ± 9.2		30.3 ± 5.6 (-14.9%)	25.8 ± 9.2		28.0 ± 6.1 (-11.4%)	24.8 ± 9.1	
	PM <sub>10</sub>	23.9 ± 2.6 (-10.0%)	21.5 ± 4.7	-47%	26.7 ± 4.2 (-13.9%)	23.0 ± 5.4	-51.7%	28.9 ± 4.6 (-1.0%)	29.2 ± 10.9	-50.6%	34.0 ± 7.7 (-3.2%)	32.9 ± 13.1	-42.2%	31.2 ± 8.4 (-0.6%)	31.0 ± 15.1	-32.6%
	PM <sub>2.5</sub>	12.2 ± 1.8 (-12.3%)	10.7 ± 3.5		13.7 ± 2.7 (-20.4%)	10.9 ± 3.2		15.6 ± 3.2 (-4.5%)	14.9 ± 6.9		18.2 ± 4.5 (-10.4%)	16.3 ± 7.3		16.8 ± 4.7 (-7.1%)	15.6 ± 8.1	
	O <sub>3</sub>	36.5 ± 2.6 (-15.9%)	42.3 ± 5.1		38.3 ± 3.9 (15.4%)	44.2 ± 6.0		32.1 ± 7.1 (20.2%)	38.6 ± 8.7		33.4 ± 6.9 (16.5%)	38.9 ± 10.0		35.6 ± 9.2 (22.2%)	43.5 ± 11.9	

Note: The intervals shown correspond to the number of days counted from March 16 2020, and the corresponding period for 2015-2019: 15 days (March 16 to March 30), 30 days (March 16 to April 14), 90 days (March 16 to June 13), 180 days (March 16 to September 11) and 290 days (March 16 to December 31).